



Ms Wynn  
Grcich

Council meeting 2/19/2013

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September 26, 2008

Ms. Wynn Grcich

Dear Ms. Grcich:

Subject: Response to your September 11, 2008 Written Request

The following is provided in response to your written questions presented during the Public Comments portion of the September 11, 2008 Board of Directors meeting:

1. I would like to know if the arsenic levels were reduced in our drinking water from 50 ppb down to 10 ppb. It was funded and supposed to be done by 2006.
  - a. Where did the money come from for the clean up? Who paid for it?
  - b. Was the job started? Was it finished?
  - c. How was it accomplished? What method was used?

Response: In January 2006, the federal government reduced the Maximum Contaminant Level for arsenic in drinking water from 50 ppb to 10 ppb. All public water system have had to comply with this lower standard. Alameda County Water District (ACWD) has never exceeded either the former standard of 50 ppb or current standard of 10 ppb. We monitor for arsenic and it is not detectable in the drinking water we deliver to our customers.

2. I met the man who laid those faulty pipes in Fremont last weekend. He told me they were never replaced only piece milled. He said, "Fremont has asbestos water pipes and when they are being repaired they have to keep them wet so the asbestos isn't airborne." Is that correct?

Response: When cutting asbestos cement pipe, routine safety precautions include wearing a breathing filter or mask and using water while cutting to keep the dust from becoming airborne or using a vacuum to pull dust from the area of the cutting tool.

3. Have you heard about the nationwide movement to get fluoride out of the water? Look up fluoride petitions.

Response: The original decision for ACWD to fluoridate its water supplies was determined by a vote of the service area electorate in the 1970's. More recently, after the passage of legislation authored by State Senator Jackie Speier, fluoridation of drinking water is now mandated throughout California. Accordingly, ACWD is required to provide fluoridated water pursuant to Title 22, Chapter 15, Article 4.1 of the California Safe Drinking Water Act. The State Department of Public Health carefully regulates the fluoride content of all public water systems in California to ensure strict compliance with these provisions of the law.

Key organizations that endorse fluoridation include the California Medical Association, the California Department of Public Health, the American Medical Association, the U.S. Public Health Service, the American Public Health Association, the American Council on Science and Health, and the World Health Organization. These organizations emphasize the benefits of fluoridation to community prevention of dental caries and maintain that fluoride poses no health risks at the low dosages prescribed by law.

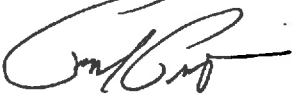
4. Can you give me a list of the congress and senators from this state who voted on Senator Jackie Speier's bill to poison us? I would please like a list of the names of the legislators who knowingly agreed to put this hazardous waste product in the water.

Response: We do not have a list of the individuals who voted on Senator Speier's legislation. I recommend that you contact Ms. Speier her or her staff directly. There is an email form on her website <http://speier.house.gov/services.shtml> to submit a request for information. You can call her San Mateo office (650-342-0300) or her Washington DC office (202-225-3531) and I am sure her staff will be glad to assist you with your request.

5. Have you and your board members read Dr. Russell Blaylock's Wellness Report *Why fluoride is toxic* was written September 2004. Your water company added it in 2005 with the blessing our unethical government to poison us and cause waterborne diseases. The same you feel chlorine and ammonia is valuable as a cheap carcinogenic way to disinfect our water. You did have a choice, but it was cheaper and more toxic to use poison at the cost of health for the public. Christopher Bryson wrote the book The Fluoride Deception. This is unthinkable that you have the right to poison the public and get away with cause brain damage, sexual dysfunction, Alzheimer's and 40% increase in cancer deaths from this poison alone. You are very well paid to cause health problems and death by adding toxins to the water.

Response: Please refer to the response for Question #3.

Sincerely,



Paul Piraino  
General Manager

cc: Board of Directors

water were within the "safety guidelines" established by the EPA. No other causes for this damage were found.

Individuals who counter these results say there was up to 4.5 ppm of fluoride in the water, and guidelines call for only 1 ppm. I object to their finger-pointing and say it doesn't take a brain surgeon to see that this does not leave much of a margin of safety, especially when the EPA usually uses a 100-times margin of safety for such toxins.

And we have seen that fluoride accumulates in the brain, reaching levels equal to these studies. Yet most important is the fact that even their estimates found that the average person is taking in 3 ppm per day through foods, drinks and pesticide exposure. More accurate estimates found an average daily consumption of fluoride of 4 to 8 ppm.

Here's a great example of how fluoride can sneak up on you. In the South, most people drink iced tea with their meals. All teas contain very high levels of fluoride as well as aluminum. Because the summers are so hot, a large number of people are drinking large volumes of this fluoride-laden tea.

Many foods and drinks also are high in fluoride, such as de-boned meats, gelatin and American wines, especially California wines.

Pesticides, too, are a problem, because they contain cryolite, a compound containing aluminum and fluoride in high concentrations. Interestingly, workers in cryolite industrial plants have been found to have a high incidence of thinking disorders as well as genetic damage.

## Fluoride and Cancer

In 1975, Dr. Dean Burk, the former chief chemist of the National Cancer Institute, and Dr. John Yiamoyiannis conducted a study comparing cancer death rates in the 10 largest fluoridated cities matched with the 10 largest non-fluoridated cities. These cities were matched for equal cancer death rates before the fluoridation experiment was begun.

They found that once cities began including fluoride in their drinking water, cancer death rates began to climb. After 13 to 17 years of fluoridation of their drinking water, these cities experienced a 10

percent increase in cancer death rates compared with the non-fluoridated cities.

The incidence of cancer would be even higher than the cancer death rates, since many people with cancer will not die of the disease during the years studied.

The Centers for Disease Control and Prevention (CDC) repeated the study using a larger number of cities and found similar results. Interestingly, both scientists proved their case in court against representatives from the National Cancer Institute.

Several other doctors found even more frightening associations between fluoridation of drinking water and cancer incidences. Dr. Donald Austin of the California Tumor Registry discovered the cancer death rates in California were 40 percent higher in fluoridated communities and Dr. Victor Cellioni showed the cancer death rates in Canadian cities were 15 percent to 25 percent higher in fluoridated Canadian cities compared with non-fluoridated cities.

Although a heavy proponent of fluoridation, the U.S. Public Health Service discovered similar results as Drs. Austin and Cellioni after following up its initial fluoridation program.

In the first of the fluoridated cities in the U.S. — Grand Rapids, Michigan — the Public Health Service found a 22 percent increase in cancer death rates compared with the non-fluoridated control city of Muskegon, Michigan.

We can now show a strong connection between fluoridated drinking water and cancer death rates. And the evidence gets even stronger. As a result of these studies and the fact that the U.S. Public Health Service could not defend fluoride safety, Congress ordered a study of the problem to be conducted by the Battelle Memorial Institute in Columbus, Ohio.

The Battelle Institute announced its findings and released proof of the connection between fluoride and cancer of the mouth in February of 1989.

The study showed:

► At 45 ppm, there was a 12 percent increased incidence of oral cancers, such as cancers of the tongue and gums. Subsequent studies did indeed

show that the incidence of oral cancers in fluoridated vs non-fluoridated cities was 33 percent to 50 percent greater.

- Toothpaste can contain between 1,000 and 1,500 ppm fluoride.
- Fluoride gels used in dental offices contain up to 15,000 ppm.
- New fluoride varnishes release a high concentration of fluoride continuously in the mouth.

### Fluoride, Bone Cancer and Young Men

The bones accumulate more fluoride than any other tissue with the exception of the pineal gland. The Battelle study found that the longer one lives in a fluoridated community, the higher one's bone fluoride levels are.

In fact, animals exposed to 45 ppm of fluoridated drinking water showed an increase in a rare form of bone cancer called osteosarcoma – in human studies the fluoride concentrations in bones found levels greater than 2,000 ppm.

Osteosarcoma is a tumor most commonly seen in young men in their late teens and twenties. If the Battelle study was accurate, one would expect to see a rise in osteosarcoma in young men in fluoridated communities.

All one has to do is look to the reports by the National Cancer Institute and a 1992 study by the New Jersey Department of Health that show heavy increases, some as high as 50 percent, of the occurrence in osteosarcoma in young men. A New Jersey study found a 3 to 7X higher incidence of this cancer in young men in fluoridated communities vs. non-fluoridated.

Even more shocking is the fact that the Proctor & Gamble Company's own scientists found a link between fluoride ingestion and bone cancer risk before they began adding fluoride to Crest toothpaste. This information was not released voluntarily but required a Freedom of Information lawsuit to pry it loose.

Another P&G study shows that scientists also found genetic damage to cells exposed to just 1 ppm of fluoride, the same dose added to drinking water. This relation to genetic damage has been confirmed

by several independent researchers.

Other types of cancers associated with fluoride exposure include:

- Industrial exposure to airborne fluoride shows a 35 percent increase in lung cancer.
- There is also a 129 percent higher incidence in laryngeal cancer.
- Significant data show an 84 percent increase in bladder cancer.

In fact, in the Battelle study fluoride caused a rare liver tumor that can be produced in experimental animals by only one other toxin – uranium.

### Does Fluoride Cause Crippling?

Skeletal fluorosis is a rarely used term in the United States but often discussed in medical journals overseas. Not that it doesn't occur in the U.S., it's just shrouded in secrecy. Few American doctors have even the slightest understanding of the condition.

As you have learned, the bones accumulate fluoride in very high concentrations and continue to do so the longer you drink fluoridated water. Dr. Hardy Limeback, a professor of dentistry at the University of Toronto who also conducted studies on fluoride levels in the bones of people living in fluoridated communities versus non-fluoridated communities, found that the former had fluoride bone levels two times higher than the latter.

In 1993 the National Academy of Sciences admitted that when bone fluoride levels reached 7,500 to 8,000 ppm, stage 2 and 3 skeletal fluorosis was likely to occur.

So, what is skeletal fluorosis? When fluoride accumulates in bones it stimulates the bone-generating cells, known as osteoblasts, to over-produce bone calcium in what are commonly known as bony overgrowths or bone spurs. These can appear over the joints, within ligaments and especially within the spinal bones. With extensive overgrowth (stage 2 and 3) a person becomes crippled.

Of particular concern is the bone overgrowth on the spinal bones, because they can compress spinal nerves and even the spinal cord. We call this condition spinal stenosis.

Why Fluoride is Toxic